



PG-600 KW Powered by Cummins

Model	Frequency/RPM	Standby Power	Prime Power
PG-600 KW	60Hz/1800RPM	600KW	540KW
		750KVA	675KVA

* Voltage: 440/254V

- (1) Prime Power: Ratings are as per DIN 6271, BS55114 and ISO-3046 with 10% overload capacity.
- (2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use.
- (3) Operation at Altitude $\leq 1000m$, Ambient temperature $\leq 40^{\circ}C$. If altitude higher than 1000m, each 300m will cause additional de-rating 4%.

General Characteristics

Model	PG-600 KW
Engine	Cummins KTAA19G6A
Alternator	Stamford HC I544FS1
Speed Control Type	Electrical
Phase	3
System Voltage	24
Frequency	60Hz
Engine Sped(RPM)	1800

Dimensions

DIMENSION	OPEN TYPE	SILENT TYPE
Length (L)	3670mm	4950mm
Width (W)	1680mm	2000mm
Height (H)	2190mm	2524mm
Net Weigh (KG)	4658kg	6560kg





Engine Specification

Brand	Cummins
Model	KTAA19G6A
No. of Cylinders and Cycle	6L, 4 Stroke
Compression Ratio	13.9:1
Displacement (L)	19
Bore x Stroke (mm)	159 x 159
Piston Speed (m/s)	9,5
Air Intake Flow (L/s)	968
Exhaust Flow (L/s)	2657
Net Engine Weight (kg)	1633
Starting System	Electronic
Engine Coolant Flow (L/min)	12,4
Base Output Power (kW)	664

Cooling System	Max.coolant cycling resistance exterior engine(kPA)	68,9
	Thermostat adjusting temperature (°C)	82-93
	Minimum Pressure of Radiator Cap (kPA)	48
	Coolant capacity-engine only(L)	26,5
Fuel System	Fuel injection pump model	Direct Injection Cummins PT
	Maximum Restriction at Lift Pump (kPa)	13,55
Lubricating System	Low idle (kPA)	138
	Rated speed (kPA)	345-483
	Max. oil temperature permitted in oil pan (°C)	121
	Lubrication system Min. capacity (L)	50
Exhaust System	Max. Back Pressure (kPA)	10
Electrical System	Starter (V)	24
	Battery charging system (A)	35



Alternator Specification

Poles	No.	4
Connection type (standard)		PARALLEL STAR
Insulation		Class" H"
Enclosure (according IEC-34-5)		IP23
Exciter system		SELF EXCITED
Voltage regulator		A.V.R. (Electronic)
Bracket type		Single bearing
Coupling system		Flexible disc
Coating type		Standard (Vacuum impregnation)

*Alternator meets BS EN 60034 and the relevant section of other international standards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2 and AS1359.

Options

Engine

- Jacket Water Preheater
- Oil Preheater

Generator Sets

- Tools with the machine

Fuel System

- Low fuel level alarm
- Automatic fuel feeding system
- Fuel T-valves

Control Panel

- Remote control panel
- ATS
- Remote controller
- Synchronizing controller

Alternator

- Winding temperature measuring instrument
- Alternator Preheater
- Anti-damp and anti-corrosion treatment
- Anti-condensation heater

Canopy

- Rental type canopy
- Trailer

Exhaust System

- Protection board from heat

Cooling System

- Front heat protection
- Coolant (-30°C)

Lubricating System

- With machine oil



Standard Controller (ComAp AMF9 or DEEPSEA DSE7220)

Control	Auto/Start/Stop Control Emergency Stop Pushbutton/ Alarm Engine Cool Down Timer Warm - up Timer Load Switching Timer Engine Cycle Crank	
Indications	Operating Hours 3 Phase Generator Voltage Sensing & Monitoring Current Protection & Monitoring Power Measurement (kW, kVA, kVA _r , kWh, kVAh, pf) Frequency Monitoring (Hz) Oil Pressure/Coolant Temperature/Fuel Level Monitoring Battery Voltage Monitoring (DC) Alarm (Acknowledge)	<p>AMF IntelliLite 9</p>
Warning & Shutdown Alarms	Generator Over/Under Voltage & Frequency Crank Disconnect (Failure to Start) Under/Over Speed Over Current Low oil pressure High Water Temperature Low Fuel Level Low Water Level	 <p>DSE7220</p>
Features	IP 65 (if ordered with gasket) Basic Scheduler 8 - 35V DC Supply Digital Inputs(4) - Outputs(4 MPU/ 6 CAN) Event Log (5 shutdowns)	